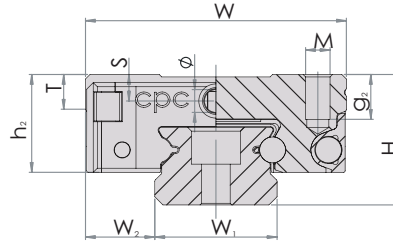


2008CATALOG

MR Miniature Linear Guide Series

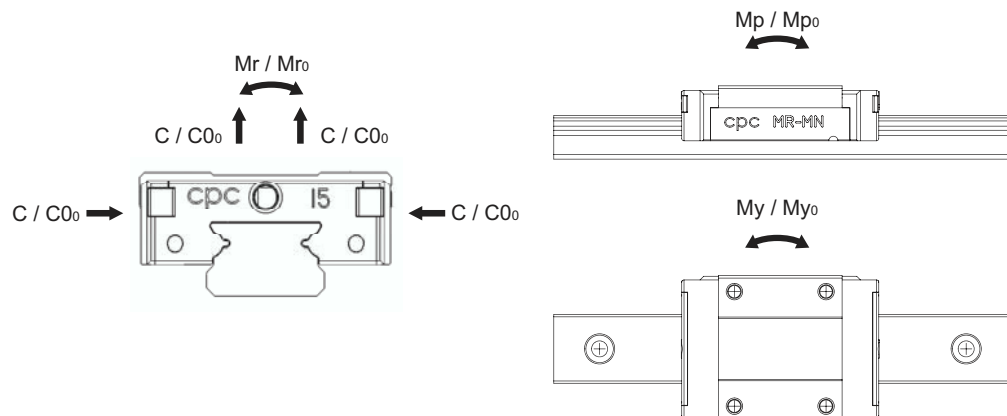
5. Dimensions and Specification

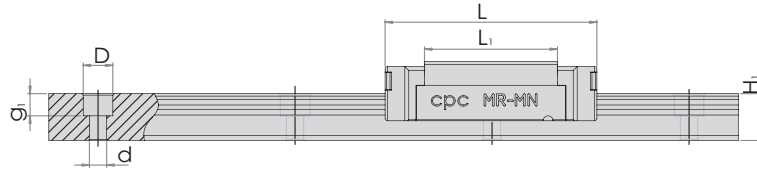
5.1 Standard MR-M series



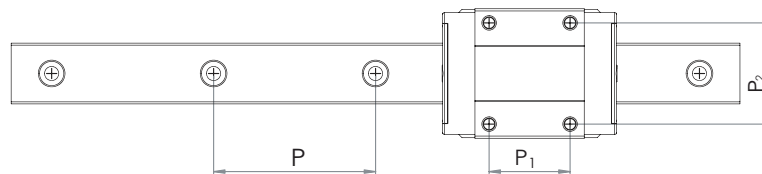
Model Code	Fabricate Dimension		Rail Dimensions (mm)				Block Dimensions (mm)					
	H	W ₂	W ₁	H ₁	P	D×d×g ₁	W	L	L ₁	h ₂	P ₁	P ₂
MR 15ML	16	8.5	15	9.5	40	6 × 3.5 × 4.5	32	60	44	12	25	25
MR 15ML EE	16	8.5	15	9.5	40	6 × 3.5 × 4.5	32	61.6	44	12.8	25	25
MR 15MN	16	8.5	15	9.5	40	6 × 3.5 × 4.5	32	43	27	12	20	25
MR 15MN EE	16	8.5	15	9.5	40	6 × 3.5 × 4.5	32	44.6	27	12.8	20	25
MR 12ML	13	7.5	12	7.5	25	6 × 3.5 × 3.5	27	47.6	34	10	20	20
MR 12ML EE	13	7.5	12	7.5	25	6 × 3.5 × 3.5	27	49	34	10.7	20	20
MR 12MN	13	7.5	12	7.5	25	6 × 3.5 × 3.5	27	35.4	22	10	15	20
MR 12MN EE	13	7.5	12	7.5	25	6 × 3.5 × 3.5	27	36.8	22	10.7	15	20
MR 9ML	10	5.5	9	5.5	20	6 × 3.5 × 3.5	20	40.9	30.8	7.8	16	15
MR 9MN	10	5.5	9	5.5	20	6 × 3.5 × 3.5	20	30.8	20.5	7.8	10	15
MR 7ML	8	5	7	4.7	15	4.2 × 2.4 × 2.3	17	31.2	21.8	6.5	13	12
MR 7MN	8	5	7	4.7	15	4.2 × 2.4 × 2.3	17	23.7	14.3	6.5	8	12
MR 5ML	6	3.5	5	3.5	15	3.5 × 2.4 × 1	12	19.6	13.5	4.5	7	–
MR 5MN	6	3.5	5	3.5	15	3.5 × 2.4 × 1	12	16.1	10	4.5	–	8
MRU 3ML	4	2.5	3	2.6	10	M1.6	8	15.7	11	3	5.5	–
MRU 3MN	4	2.5	3	2.6	10	M1.6	8	11.4	6.7	3	3.5	–

Load capacities are calculated according to DIN 636 Part 2



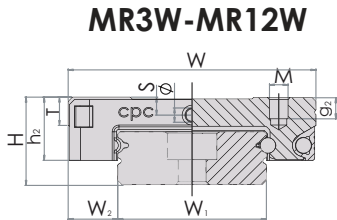


Block Dimensions (mm)				Load Capacities (N)		Static Moment(Nm)			Weight		Model Code
M×g ₂	∅	S	T	C(dyn.)	C0(stat)	Mr0	Mp0	My0	Block(g)	Rail (g/m)	
M3 x 5.5	2.5	3.3	4.3	5350	9080	70	63.3	63.3	90	930	MR 15ML
M3 x 5.5	2.5	3.3	4.3	5350	9080	70	63.3	63.3	93	930	MR 15ML EE
M3 x 5.5	2.5	3.3	4.3	3810	5590	43.6	27	27	61	930	MR 15MN
M3 x 5.5	2.5	3.3	4.3	3810	5590	43.6	27	27	64	930	MR 15MN EE
M3 x 3.5	2	2.6	4.3	3240	5630	34.9	30.2	30.2	51	602	MR 12ML
M3 x 3.5	2	3.3	4.3	3240	5630	34.9	30.2	30.2	54	602	MR 12ML EE
M3 x 3.5	2	2.6	4.3	2308	3465	21.5	12.9	12.9	34	602	MR 12MN
M3 x 3.5	2	3.3	4.3	2308	3465	21.5	12.9	12.9	37	602	MR 12MN EE
M3 x 2.8	2	2.2	3.3	2135	3880	18.2	12.4	12.4	28	301	MR 9ML
M3 x 2.8	2	2.2	3.3	1570	2495	11.7	6.4	6.4	18	301	MR 9MN
M2 x 2.5	1.2	1.6	2.8	1310	2440	9	7.7	7.7	14	215	MR 7ML
M2 x 2.5	1.2	1.6	2.8	890	1400	5.2	3.3	3.3	8	215	MR 7MN
M2.6 x 2.0	0.8	1.1	2	470	900	2.4	2.1	2.1	4	116	MR 5ML
M2 x 1.5	0.8	1.1	2	335	550	1.7	1	1	3.5	116	MR 5MN
M2 x 1.1	0.3	0.7	1.5	295	575	0.9	1.1	1.1	1.2	53	MRU 3ML
M1.6 x 1.1	0.3	0.7	1.5	190	310	0.6	0.4	0.4	0.9	53	MRU 3MN

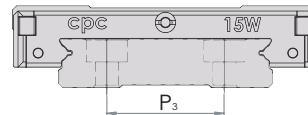


5. Dimensions and Specification

5.2 Wide MR-W series

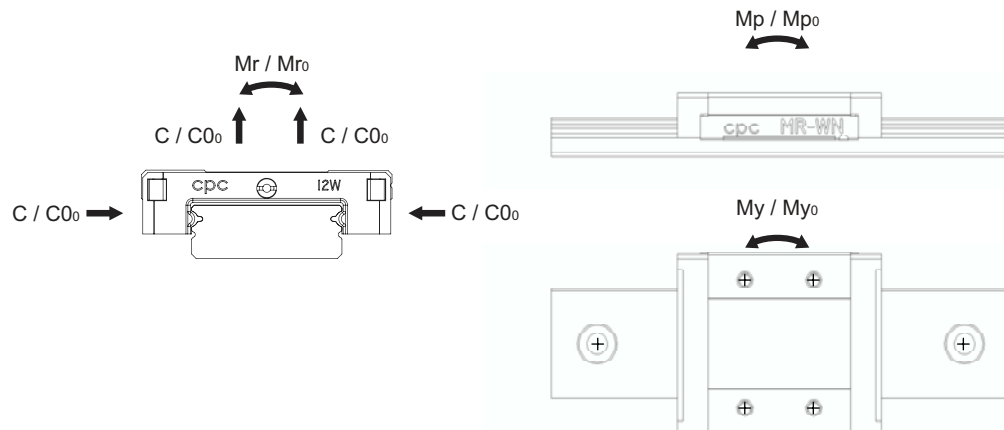


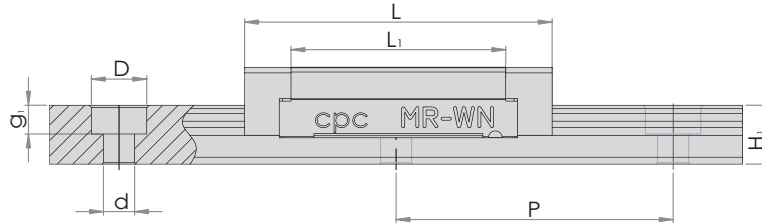
MR15W



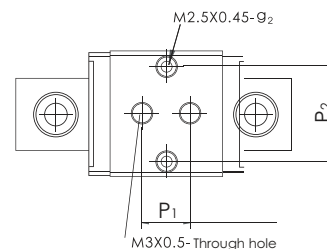
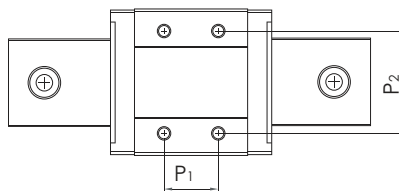
Model Code	Fabricate Dimension		Rail Dimensions (mm)					Block Dimensions (mm)					
	H	W ₂	W ₁	H ₁	P	P ₃	D×d×g ₁	W	L	L ₁	h ₂	P ₁	P ₂
MR 15WL	16	9	42	9.5	40	23	8 x 4.5 x 4.5	60	74.4	57.6	12	35	45
MR 15WL EE	16	9	42	9.5	40	23	8 x 4.5 x 4.5	60	76	57.6	12.8	35	45
MR 15WN	16	9	42	9.5	40	23	8 x 4.5 x 4.5	60	55.3	38.5	12	20	45
MR 15WN EE	16	9	42	9.5	40	23	8 x 4.5 x 4.5	60	56.9	38.5	12.8	20	45
MR 12WL	14	8	24	8.5	40	–	8 x 4.5 x 4.5	40	59.4	46	10	28	28
MR 12WL EE	14	8	24	8.5	40	–	8 x 4.5 x 4.5	40	60.8	46	10.7	28	28
MR 12WN	14	8	24	8.5	40	–	8 x 4.5 x 4.5	40	44.5	31	10	15	28
MR 12WN EE	14	8	24	8.5	40	–	8 x 4.5 x 4.5	40	45.9	31	10.7	15	28
MR 9WL	12	6	18	7.5	30	–	6 x 3.5 x 4.5	30	50.7	39.5	8.6	24	23
MR 9WN	12	6	18	7.5	30	–	6 x 3.5 x 4.5	30	39	27.4	8.6	12	21
MR 7WL	9	5.5	14	5.2	30	–	6 x 3.5 x 3.5	25	40.6	30.1	7	19	19
MR 7WN	9	5.5	14	5.2	30	–	6 x 3.5 x 3.5	25	31.6	21.2	7	10	19
MR 5WL	6.5	3.5	10	4	20	–	5.5 x 3 x 1.6	17	27.2	21.2	5	11	13
MR 5WLC	6.5	3.5	10	4	20	–	5.5 x 3 x 1.6	17	27.2	21.2	5	11	13
MR 5WN	6.5	3.5	10	4	20	–	5.5 x 3 x 1.6	17	21.2	15.1	5	6.5	13
MR 5WNC	6.5	3.5	10	4	20	–	5.5 x 3 x 1.6	17	21.2	15.1	5	6.5	13
MR 3WL	4.5	3	6	2.6	15	–	4 x 2.4 x 1.5	12	20.1	15.1	3.5	8	–
MR 3WN	4.5	3	6	2.6	15	–	4 x 2.4 x 1.5	12	15.2	10	3.5	4.5	–

Load capacities are calculated according to DIN 636 Part 2



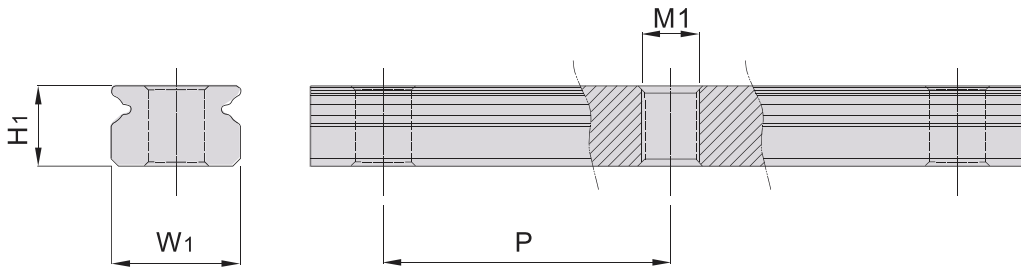


Block Dimensions (mm)				Load Capacities (N)		Static Moment(Nm)			Weight		Model Code
M×g2	∅	S	T	C(dyn.)	C0(stat)	Mr0	Mp0	My0	Block(g)	Rail (g/m)	
M4 x 4.5	2.5	3.3	4.5	6725	12580	257.6	93.1	93.1	200	2818	MR 15WL
M4 x 4.5	2.5	3.3	4.5	6725	12580	257.6	93.1	93.1	203	2818	MR 15WL EE
M4 x 4.5	2.5	3.3	4.5	5065	8385	171.7	45.7	45.7	137	2818	MR 15WN
M4 x 4.5	2.5	3.3	4.5	5065	8385	171.7	45.7	45.7	140	2818	MR 15WN EE
M3 x 3.5	2	2.8	4.5	4070	7800	95.6	56.4	56.4	93	1472	MR 12WL
M3 x 3.5	2	3.1	4.5	4070	7800	95.6	56.4	56.4	96	1472	MR 12WL EE
M3 x 3.5	2	2.8	4.5	3065	5200	63.7	26.3	26.3	65	1472	MR 12WN
M3 x 3.5	2	3.1	4.5	3065	5200	63.7	26.3	26.3	68	1472	MR 12WN EE
M3 x 3	2	2.2	4	2550	4990	45.9	26.7	26.7	51	940	MR 9WL
M3 x 3	2	2.2	4	2030	3605	33.2	13.7	13.7	37	940	MR 9WN
M3 x 3	1.2	1.9	3.2	1570	3140	22.65	14.9	14.9	27	516	MR 7WL
M3 x 3	1.2	1.9	3.2	1180	2095	15	7.3	7.3	19	516	MR 7WN
M2.5 x 1.5	0.8	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WL
M3/M2.5 x 1.5	0.8	1.2	2.3	615	1315	6.8	4.1	4.1	8	280	MR 5WLC
M2.5 x 1.5	0.8	1.2	2.3	475	900	4.6	2.2	2.2	6	270	MR 5WN
M3/M2.5 x 1.5	0.8	1.2	2.3	475	900	4.6	2.2	2.2	6	270	MR 5WNC
M2 x 1.4	0.3	0.8	1.8	370	800	2.5	1.9	1.9	3.4	105	MR 3WL
M2 x 1.4	0.3	0.8	1.8	280	530	1.6	0.9	0.9	3.4	105	MR 3WN



MR5WNC MR5WLC

5. Dimensions and Specification



5.3 Upward Screwing Standard MRU-M series

Dimensions and Specification

Model Code	Rail Dimensions(mm)			
	H1	W	P	M1
MRU 15M	9.5	15	40	M4x0.7
MRU 12M	7.5	12	25	M4x0.7
MRU 9M	5.5	9	20	M4x0.7
MRU 7M	4.7	7	15	M3x0.5
MRU 5M	3.5	5	15	M3x0.5
MRU 3M	4	3	10	M1.6 x0.35

5.4 Upward Screwing Wide MRU-W series

Dimensions and Specification

Model Code	Rail Dimension(mm)			
	H1	W1	P	M1
MRU 15W	9.5	42	40	M5x0.8
MRU 12W	8.5	24	40	M5x0.8
MRU 9W	7.5	18	30	M4x0.7
MRU 7W	5.2	14	30	M4x0.7
MRU 5W	4	10	20	M3x0.5